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Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Previously Presented) A product comprising two spaced apart fuel cell bipolar plates, each bipolar plate having gas flow channels and a doped coating deposited on the bipolar plate, the doped coating comprising at least one of a doped diamond coating or a doped diamond-like coating, and further comprising an electrolyte membrane interposed between the two spaced apart fuel cell bipolar plates.
- 2. (Previously Presented) A product in accordance with claim 1, said doped coating being doped with foreign atoms comprising one of foreign atoms of the main groups of the periodic table of elements, foreign atoms of the side groups of the periodic table of elements and foreign atoms belonging to the rare earths of the periodic table of elements.
- 3. (Previously Presented) A product in accordance with claim 1, said doped coating being doped with at least one of Ti, W, or Au.

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- 4. (Previously Presented) A product in accordance with claim 1, said doped coating being doped with at least one of B, Sc, Y, Nb, V, Fe, Cr, Ni, Mn, Zr, Mo, Ta, Hf, Pt, Pd, Re, Ru, Rh, Ir, or Ag.
- 5. (Currently Amended) A product in accordance with claim [3] 2, said doped coating having between more than 0% and 35% foreign atoms.

6. (Canceled)

- 7. (Previously Presented) A product in accordance with claim 4, said doped coating having between more than 0% and 35% foreign atoms.
- 8. (Previously Presented) A product in accordance with claim 4, said doped coating having between 10 and 20% foreign atoms.
- 9. (Previously Presented) A product in accordance with claim 1, said doped coating having a layer thickness above 0 μ m and below 10 μ m.
- 10. (Previously Presented) A product in accordance with claim 1, said doped coating having a layer thickness in the range from 1 nm to 150 nm.
- 11. (Currently Amended) A product in accordance with claim 1, said metal part wherein each bipolar plate comprising at least one of titanium, stainless steel, steel

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with no additional alloying element, aluminum, magnesium or an alloy of any of the foregoing.

- 12. (Canceled)
- 13. (Canceled)
- 14. (Canceled)
- 15. (Canceled)
- 16. (Canceled)
- 17. (Canceled)
- 18. (Canceled)
- 19. (Canceled)
- 20. (Canceled)
- 21. (Canceled)

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22. (Previously Presented) A product as set forth in claim 1 further comprising a cathode on one side of the electrolyte membrane and an anode on another side of the electrolyte membrane.

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- 23. (Previously Presented) A product as set forth in claim 1 wherein each bipolar plate comprises an intrinsically corrosion resistant and conductive metal.
- 24. (Previously Presented) A product as set forth in claim 23 wherein the intrinsically corrosion resistant and conductive metal comprises stainless steel.
- 25. (Previously Presented) A product comprising a coating over an intrinsically corrosion resistant and conductive fuel cell bipolar plate having gas flow passages formed therein and gas supply openings and gas discharge openings, said coating comprising at least one of a doped diamond coating [[and]] or a doped diamond-like carbon coating.
- 26. (Previously Presented) A product in accordance with claim 25, said doped coating being doped with at least one of: Ti, W, Au, B, Sc, Y, Nb, V, Fe, Cr, Ni, Mn, Zr, Mo, Ta, Hf, Pt, Pd, Re, Ru, Rh, Ir, or Ag.
- 27. (Previously Presented) A product in accordance with claim 25 wherein the bipolar plate comprises stainless steel.